II. Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Canceled)

2. (Currently Amended) A body member for use in combination with a shell to form an implantable endoprosthesis, the body member comprising:

a first component having an articular surface for articulated sliding movement with the shell, the first component formed from a wear resistant first material, the first material comprising a polymer having a first hardness; and

a second component formed from a resilient second material for absorbing compressive and shear forces imparted upon the implantable endoprosthesis, the second material comprising a polymer having a second hardness softer than the first hardness, the second hardness being approximately 80 Shore A;

wherein the second component is disposed between the first component and a third component also formed from the first material, the third component having an articular surface for articulated sliding movement with the shell;

wherein the body member is adapted to articulate with respect to the shell such that one or more surfaces of the shell come into sliding contact with the articular surfaces of the first and third components during articulation.

3-8. (Canceled)

9. (Currently Amended) The body member of claim 2 ~~claim 8~~, wherein the polymer of the first material comprises a polyethylene.

10. (Currently Amended) The body member of claim 9 ~~claim 7~~, wherein the polyethylene has a molecular weight ranging from about 5.0 x 10E5 grams/mol to about 6.0 x 10E6

grams/mol.

11. (Currently Amended) The body member of claim 10 ~~claim 9~~, wherein the polyethylene has a modulus of elasticity ranging from about 0.7 to about 3.0 Gpa.

12. (Currently Amended) The body member of claim 11 ~~claim 10~~, wherein the polyethylene is cross-linked to an extent ranging between about 0 % to about 50 %, as measured by a swell ratio.

13. (Currently Amended) The body member of claim 2 ~~claim 8~~, wherein the polymer of the first material comprises a polyetheretherketone (PEEK).

14. (Canceled)

15. (Currently Amended) The body member of claim 2 ~~claim 14~~, wherein the polymer of the second material is selected from the group consisting of polyurethanes, silicones, and polyolefins.

16. (Currently Amended) The body member of claim 15, wherein the polymer of the second material is a ~~polyurethane is a~~ polycarbonate polyurethane.

17-25. (Canceled).

26. (Previously Presented) A body member for use with a shell structure of an implantable endoprosthesis, comprising:

a first portion having a first convex surface configured to articulate with a first concave surface of the shell structure, the first portion formed from a first wear-resistant material having a first hardness, the first portion having a thickness between about 0.25 mm and about 0.75 mm;

a second portion having a second convex surface configured to articulate with a second concave surface of the shell structure, the second portion formed from a second wear-resistant material having a second hardness, the second portion having a thickness between about 0.25 mm and about 0.75 mm; and

a third portion positioned at least partially between the first and second portions to avoid contact with the shell structure, the third portion formed from a resilient material having a third hardness, the third harness being softer than the first and second hardnesses and being between about 75 Shore A and 85 Shore A, the resilient material for absorbing compressive and shear forces imparted upon the implantable endoprosthesis, the resilient material having a thickness greater than the thicknesses of the first and second portions;

wherein at least the first wear-resistant material and the resilient material comprise a polycarbonate polyurethane.

27. (Previously Presented) The body member of claim 26 wherein the first wear-resistant material and the second wear-resistant material are the same.

28-29. (Canceled)

30. (Previously Presented) The body member of claim 26 wherein the first portion further comprises an opening adapted to receive a first projection of the shell structure.

31. (Previously Presented) The body member of claim 30 wherein the second portion further comprises an opening adapted to receive a second projection of the shell structure.

32. (Previously Presented) The body member of claim 26 wherein the first portion further comprises a first retention member for securing the first portion to the third portion.

33. (Previously Presented) The body member of claim 32 wherein the second portion further comprises a second retention member for securing the second portion to the third portion.

34. (Canceled)

35. (New) The body member of claim 2, wherein the first and third components each include a recess for receiving one or more projections of the shell to limit translational sliding movement of the body member with respect to the shell.

36. (New) The body member of claim 35, wherein the first component comprises a projection for snap-fit engagement with a recess of the third component.

37. (New) The body member of claim 36, wherein snap-fit engagement between the first and third component limits separation of the first and third components away from one another while allowing the first and third components to be compressed towards one another.

38. (New) The body member of claim 37, wherein the second component resiliently limits compression of the first and third components towards one another.

39. (New) The body member of claim 38, wherein the second component includes a central opening extending therethrough for receiving the projection of the first component to facilitate the snap-fit engagement of the first and third components.

40. (New) A body member for use with a bone-engaging shell structure of an implantable endoprosthesis, the body member comprising:

a first portion having a first convex surface configured to articulate with a first concave surface of the shell structure and a plurality of generally cylindrical sleeves extending opposite

the first convex surface, the first portion formed from a first wear-resistant material having a first hardness;

a second portion having a second convex surface configured to articulate with a second concave surface of the shell structure and a plurality of generally cylindrical posts extending opposite the second convex surface and slidably engaged with the plurality of sleeves of the first portion to limit translational movement between the first and second portions while allowing compressive movement between the first and second portions towards and away from one another, the second portion formed from a second wear-resistant material having a second hardness; and

a third portion positioned at least partially between the first and second portions such that the first and second portions space the third portion from the shell structure, the third portion including a plurality of openings for receiving the plurality of sleeves and posts of the first and second portions, the third portion formed from a resilient material having a third hardness for absorbing compressive and shear forces imparted upon the implantable endoprosthesis, the third hardness being softer than the first and second hardnesses;

wherein at least the first wear-resistant material, second wear-resistant material, and the resilient material each comprise a polycarbonate polyurethane;

wherein the first and second components each include a recess for receiving one or more projections of the shell structure to limit translational movement of the body member with respect to the shell structure.